

Title (en)  
FUSE LINK

Title (de)  
SICHERUNGSEINSATZ

Title (fr)  
Liaison Fusible

Publication  
**EP 1285463 A2 20030226 (EN)**

Application  
**EP 01937502 A 20010518**

Priority  
• US 0115998 W 20010518  
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Abstract (en)  
[origin: WO0193331A2] Described herein is a fuse incorporating a covering layer disposed on a conductive layer, which is disposed on a polysilicon layer. The covering layer preferably comprises a relatively inert material, such as a nitride etchant barrier. The covering layer preferably has a region of relatively less-inert filler material. Upon programming of the fuse, the conductive layer, which can be a silicide, preferentially degrades in the region underlying the filler material of the covering layer. This preferential degradation results in a predictable "blowing" of the fuse in the fuse region underlying the filler material. Since the "blow" area is predictable, damage to adjacent structures can be minimized or eliminated.

IPC 1-7  
**H01L 23/525**

IPC 8 full level  
**H01L 21/82** (2006.01); **H01L 23/525** (2006.01)

CPC (source: EP US)  
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C-Set (source: EP US)  
**H01L 2924/0002** + **H01L 2924/00**

Citation (search report)  
See references of WO 0193331A2

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
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